

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An electrochemical sensor for determining the concentration of a constituent present in a solution or in a liquid of natural or biological origin, formed by a tongue of small dimensions including a thin plastic substrate supporting at least two current conducting strips separated by a narrow insulating strip of the substrate, said substrate and said strips being covered with a plastic covering into which are cut, at one ~~end-end,~~ an opening allowing portions of strip to appear for connection to an electronic ~~apparatus and~~ apparatus, and, close to the other ~~end-end,~~ two windows separated by a strip of the covering, said windows delimiting on the strips the useful surfaces of a reference electrode beneath a first reference window and a measuring electrode beneath a second measuring window ~~intended to be coated with a specific reactant reagent~~ of the constituent whose concentration one wishes to determine, wherein at least the measuring window has an ~~oblonga~~ rounded elongated contour ~~in the direction of~~ along a length of the tongue.

2. (currently amended): An electrochemical sensor according to claim 1, wherein the reference window also has an ~~oblonga~~ round elongated contour ~~in the direction of~~ along the length of the tongue.

3. (currently amended): An electrochemical sensor according to claim 2, wherein the measuring window and the reference window are symmetrical with respect to the narrow insulating strip separating the conducting strips, and have a coffee bean configuration.

4. (canceled).

5. (currently amended): An electrochemical sensor according to claim 1 for determining the level of glucose in the blood, wherein the ~~specific reactant~~reagent contains at least glucose oxidase and a chemical mediator able to transfer ~~the~~ electrons.

6. (original): An electrochemical sensor according to claim 5, wherein the mediator is selected from among the mono, bis or tris 2-2' ruthenium, osmium or vanadium bipyridine complexes in which at least one of the bipyridine ligands is substituted by at least one electron donor group.

7. (canceled).